

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3765	(166/373,374,381,386,316,318,319,320,321,323,325,328,329,332.4,240).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/26 15:06
L2	752	1 and ((pressure and (ball object)) near4 valve)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 15:06
L3	448	2 and packer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 15:06
L4	118	3 and isolation	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 15:06
S1	2	("6722440").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/06/16 16:01
S2	2	("6397949").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/06/17 12:07
S3	2	("5456322" "6227298").PN.	USPAT	OR	ON	2004/06/17 12:08
S4	340	((166/373,374,381,386,316,318,319,320,321,323,325,328,329,332.4,240).CCLS.) and isolation	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 15:06
S5	135	((((166/373,374,381,386,316,318,319,320,321,323,325,328,329,332.4,240).CCLS.) and isolation) and ((pressure and (ball object)) near4 valve)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 15:06
S6	112	(((((166/373,374,381,386,316,318,319,320,321,323,325,328,329,332.4,240).CCLS.) and isolation) and ((pressure and (ball object)) near4 valve)) and packer	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 15:06

S7	26	((((166/373,374,381,386,316,318,319,320,321,323,325,328,329,332,4,240).CCLS.) and isolation) and ((pressure and (ball object)) near4 valve)) and packer) and screen	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/17 12:17
S8	28	("2798561" "2951536" "2963089" "3412806" "3640341" "3912008" "4043392" "4143712" "4215746" "4280561" "4354554" "4356867" "4417600" "4420045" "4589482" "4624310" "4627492" "4979569" "5058673" "5090481" "5257663" "5263683" "5337827" "5518073" "5664629" "5810087" "5941308" "6227298").PN.	USPAT	OR	ON	2004/06/17 12:11
S9	124	((((166/373,374,381,386,316,318,319,320,321,323,325,328,329,332,4,240).CCLS.) and isolation) and ((pressure and (ball object)) near4 valve)) and ((open\$3 and close\$4) near5 valve)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/17 12:18
S10	11	((((166/373,374,381,386,316,318,319,320,321,323,325,328,329,332,4,240).CCLS.) and isolation) and ((pressure and (ball object)) near4 valve)) and ((open\$3 and close\$4) near5 valve)) and (lock\$4 near3 close\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/17 12:19
S11	2	("20010030049").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/06/17 13:58
S12	10	("3749119" "3823773" "3845815" "3970147" "3993130" "4383578" "4749044" "4967845" "5609204" "5676208").PN.	USPAT	OR	ON	2004/06/17 14:12
S13	1	"6397949".URPN.	USPAT	OR	ON	2004/06/17 14:15
S14	20	("3749119" "3823773" "3845815" "3970147" "3993130" "4383578" "4388968" "4420043" "4749044" "4940093" "4967845" "5137088" "5180007" "5180016" "5226494" "5413180" "5609204" "5676208" "6220357" "6446729" "2001/0013415" "2001/0030049").PN.	USPAT	OR	ON	2004/06/17 14:15

S15	6	((("6220357") or ("6227298") or ("5456322")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/06/22 11:28
S16	2844	(166/373,374,381,386,316,318,319,320,321,323,325,328,329,332.4,240).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/06/22 14:07
S17	1085	((166/373,374,381,386,316,318,319,320,321,323,325,328,329,332.4,240).CCLS.) and ((ball seat) near4 valve)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/22 14:07
S18	972	((166/373,374,381,386,316,318,319,320,321,323,325,328,329,332.4,240).CCLS.) and ((ball seat) near4 valve)) and ((sleeve seat) near5 valve)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/22 14:08
S19	135	((166/373,374,381,386,316,318,319,320,321,323,325,328,329,332.4,240).CCLS.) and ((ball seat) near4 valve)) and ((sleeve seat) near5 valve)) and ((ball object) near5 releas\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/22 14:09
S20	41	((166/373,374,381,386,316,318,319,320,321,323,325,328,329,332.4,240).CCLS.) and ((ball seat) near4 valve)) and ((sleeve seat) near5 valve)) and ((ball object) near5 releas\$4)) and (((ball object) near5 releas\$4) with (service tool apparatus))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/22 14:24
S21	965	((166/373,374,381,386,316,318,319,320,321,323,325,328,329,332.4,240).CCLS.) and ((ball valve) near5 seat)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/22 14:20
S22	967	((166/373,374,381,386,316,318,319,320,321,323,325,328,329,332.4,240).CCLS.) and ((ball valve object dart) near5 seat)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/22 14:21
S23	166	((166/373,374,381,386,316,318,319,320,321,323,325,328,329,332.4,240).CCLS.) and ((ball valve object dart) near5 seat)) and ((ball object dart) near5 releas\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/22 14:21

S24	38	(((((166/373,374,381,386,316,318,319,320,321,323,325,328,329,332,4,240).CCLS.) and ((ball valve object dart) near5 seat)) and ((ball object dart) near5 releas\$4)) and (((ball dart object) near5 releas\$4) near5 (service tool apparatus)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/22 14:25
S25	2	("1518865" "4491177").PN.	USPAT	OR	ON	2004/06/22 14:29
S26	34	(((((166/373,374,381,386,316,318,319,320,321,323,325,328,329,332,4,240).CCLS.) and ((ball seat) near4 valve)) and (screen near5 valve)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/22 14:38
S27	64	((166/373,374,381,386,316,318,319,320,321,323,325,328,329,332,4,240).CCLS.) and (screen near5 valve)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/22 14:35
S28	8	(((((166/373,374,381,386,316,318,319,320,321,323,325,328,329,332,4,240).CCLS.) and (screen near5 valve)) and (wrap\$4 near3 screen)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/22 14:38
S29	4194	(screen near5 valve)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/22 14:38
S30	51	((screen near5 valve)) and (wrap\$4 near3 screen)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/22 14:38
S31	44	(((screen near5 valve)) and (wrap\$4 near3 screen)) and (wellbore borehole downhole (well adj bore))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/06/22 14:38
S32	6	"3741300".URPN.	USPAT	OR	ON	2004/06/22 14:44
S33	18	("6125930" "6662877" "6516886" "5909769" "4498536" "5775421" "6352119" "5950733" "5810087" "4605062" "4452313" "4399870" "4319634" "4280561" "4144937" "3856085" "3741249" "3051243").PN.	USPAT	OR	ON	2005/02/23 09:17
S34	18	("3627049" "4040488" "4113012" "4143712" "4189003" "4403659" "4903775" "4915175" "5010955" "5295538" "5373899" "5377750" "5597042" "5609178" "5730223" "5826662" "5890540" "5901796").PN.	US-PGPUB; USPAT	OR	ON	2005/07/11 09:18

S35 2	39	("20020094303" "20020189814" "3741249" "3763933" "3786866" "3814181" "3814183" "3856085" "3882935" "4144937" "4280561" "4319634" "4388968" "4399870" "4415038" "4429747" "4452313" "4498536" "4560005" "4605062" "4928772" "5183115" "5240071" "5287930" "5775421" "5810087" "5865251" "5909769" "5950733" "6125930" "6148915" "6148919" "6230808" "6352119" "6386289" "6520257" "6659186" "6662877" "6763892").PN.	US-PGPUB; USPAT	OR	ON	2005/07/11 09:18
S36 2	57	S34 or S35	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/11 09:18